

<p>94-287573/36 A11 D16 (A96 D21) BIOC- 93.03.03 SOC BIOCHIMIE APPLIQUEE *FR 2702144-A1 93.03.03 93FR-002443 (94.09.09) A61K 7/00, C08B 37/08, C12P 19/04 Cosmetic use of chitosan degradation prods. - prep'd. by enzymatic hydrolysis of partially acetylated chitosan using Thermoactinomyces enzyme C94-131095 Addnl. Data: PAUL F M B, MONSAN P E F</p>	A(3-A, 10-E5, 10-E9, 12-V4A, 12-V4C) D(8-B4, 8-B9, 8-B9A)
	<p><u>CLAIMED PROCESS</u></p> <p>The process comprises: (1) swelling partially acetylated chitosan with water contg. an acid to give an aq. compsn. with a pH of up to 5.5 (pref. 3-5); (2) preheating the compsn. to 30-60 deg.C; (3) adding an enzyme (as above) while stirring; (4) incubating the mixt. at 30-60°C and a pH of up to 5.5 (pref. 3-5) for at least 1 hr; and (5) sepg. oligosaccharides that are soluble in water, alcohols and water/alcohol mixts. and/or polysaccharides that are insoluble in water (pH values above 6-6.5), alcohols and water-alcohol mixts. The enzyme is pref. produced by culturing Thermoactinomyces sp. I-1052. The chitosan pref. has a degree of acetylation of 75% or less (esp. 35-50%) and a molecular wt. of at least 500,000. (AJM) (17pp367DwgNo.0/0)</p>
<p><u>USE</u></p> <p>(I) may be used in skin creams, hair lotions, shampoos, etc.</p>	<p>FR 2702144-A</p>